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TR/TA/PHARM/17

Test Booklet Series

TEST BOOKLET
GENERAL ABILITY TEST

A

(Signature of the Candidate)

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(Invigilator's Signature)

Time Allowed : 2 hours (Two hours) **Maximum Marks : 100**

INSTRUCTIONS

1. IMMEDIATELY AFTER THE COMMENCEMENT OF THE SCREENING TEST, YOU SHOULD CHECK THAT THIS TEST BOOKLET DOES NOT HAVE ANY UNPRINTED OR TORN OR MISSING PAGES OR ITEMS ETC. IF SO, GET IT REPLACED BY A COMPLETE TEST BOOKLET.
2. **ENCODE CLEARLY THE TEST BOOKLET SERIES IN THE APPROPRIATE PLACE IN THE ANSWER SHEET BY BLACK BALL POINT PEN ONLY.**
3. This Test Booklet contains 100 items (questions). Each question, carrying 1 (one) mark only, has four responses (answers). You will select the response which you want to mark on the Answer Sheet. In case you feel that there is more than one correct response, mark the response which you consider the most appropriate. In any case, choose ONLY ONE response for each item.
4. You have to mark all your responses by **Black Ball Point Pen only** on the separate Answer Sheet provided. See directions in the Answer Sheet.
5. All items carry equal marks.
6. Before you proceed to mark in the Answer Sheet the responses to various items in the Test Booklet, you have to fill in some particulars in the Answer Sheet.
7. After you have completed filling in responses on the Answer Sheet and the Screening Test is completed, you should handover the Answer Sheet to the Invigilator only. You are permitted to take the Test Booklet with you.
8. Sheets for rough work are appended on the Test Booklet at the end.
9. **Penalty for wrong answers :**
   (a) There will be four alternatives for the answer to every question. For each question for which a wrong answer has been given by the candidate, **one-third** of the marks assigned to that question will be deducted as penalty.
   (b) If a candidate gives more than one answer, it will be treated as a **Wrong Answer** even if one of the given answers happens to be correct and there will be same penalty as above to that question.
   (c) If a question is left blank, i.e. no answer is given by the candidate, there will be **no penalty** for that question.

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Four options are given against each of the following questions. Select the best/correct option from among the four options and encode in the answer sheet by **Black Ball Point Pen** only as per example given below :

Example : The capital of India is

(A) Delhi ● New Delhi

(C) Indraprastha (D) None of these

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PART – A

1 Total area of Tripura in sq.km. is

(A) 11,491.69

(B) 10,491.69

(C) 12,000.31

(D) None of these

2. Total number of districts in Tripura are

(A) 8

(B) 4

(C) 6

(D) None of these

3. Scheduled Tribe population in Tripura according to 2011 census is

(A) 6,54,918

(B) 12,21,117

(C) 11,66,813

(D) None of these

4. Regional Pharmacy Institute, now renamed as Regional Institute of Pharmaceutical Science & Technology was established at Agartala on

(A) 12th November, 1998

(B) 14th November, 1979

(C) 6th July, 1981

(D) None of these

5. The headquarters of North-Eastern Council (N.E.C) is at

(A) Itanagar

(B) Shillong

(C) Guwahati

(D) None of these

6. How many International Borders are there in North-Eastern Region ?

(A) 4

(B) 5

(C) 3

(D) None of these

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7. Name the State which has the least population

(A) Tripura

(B) Nagaland

(C) Sikkim

(D) None of these

8. The Women's Reservation Bill was passed by Rajya Sabha on

(A) 9th March, 2010

(B) 6th March, 2010

(C) 8th April, 2010

(D) None of these

9. Which river forms the boundary line between U.P and Haryana ?

(A) Ganga

(B) Yamuna

(C) Sultaz

(D) None of these

10. North India's first food processing park is being developed in

(A) Haryana

(B) Kerela

(C) Bihar

(D) None of these

11. Chief Election Commissioner of India is

(A) Nasim Zaidi

(B) Achal Kumar Jyoti

(C) T.N. Seshan

(D) None of them

12. Capital of Lakshadweep is

(A) Kajipet

(B) Kavaratti

(C) Silvassa

(D) None of these

13. Headquarters of World Bank is at

(A) Geneva

(B) Manila

(C) Washington D.C.

(D) None of these

14. Cricket team of which country has not got the status of test playing nation ?

(A) Kenya

(B) Bangladesh

(C) Zimbabwe

(D) None of these

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15. Which country of Europe is known as 'Country of Lakes'?

(A) Italy

(B) Finland

(C) France

(D) None of these

16. Who wrote the book "Science of Bharat Natyam?

(A) Raja Reddy

(B) Saroja Vaibyanatham

(C) K. L. Bhagat

(D) None of them

17. The highest mountain peak in Africa is

(A) Atlas

(B) Kilimanjaro

(C) Nyasa

(D) None of these

18. Which country of South America is the biggest producer of Petrolium?

(A) Venezuela

(B) Peru

(C) Brazil

(D) None of these

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19. The lower layer of atmosphere is known as

(A) Mesosphere

(B) Ionosphere

(C) Troposphere

(D) None of these

20. The diameter of moon is

(A) 3250 km

(B) 3475 km

(C) 3500 km

(D) None of these

21. Seismometer is an instrument to measure

(A) Electricity

(B) Earthquake

(C) Temperature

(D) None of these

22. A square having a parameter 48m having the area

(A) 225 sq.m.

(B) 116 sq.m.

(C) 144 sq.m.

(D) None of these

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23. The value of expression $a^2 + b^2$ is —, when $(a+b)^2 = 25$ and $ab = 6$

(A) 10

(B) 13

(C) 19

(D) None of these

24. Difference between 3 digit biggest no. and 3 digit smallest no. is

(A) 899

(B) 109

(C) 900

(D) None of these

25. Who wrote the classical book "Geetanjali" ?

(A) John Keat

(B) Rabindranath Tagore

(C) Jibanananda Das

(D) None of them

Select the appropriate option to fill in the blank.

26. My sister is —— home today.

(A) at

(B) in

(C) the

(D) on

Select the group of words that is almost similar / nearest in meaning to the italic words.

27. I was opposing him *very strongly.*

(A) at large

(B) tooth and nail

(C) all at once

(D) None of these

Select the appropriate option to fill in the blanks.

28. My son spilled water —— my paper work.

(A) in

(B) on

(C) at

(D) across

29. —— you please bring my note book ?

(A) Will

(B) May

(C) Do

(D) Should

30. These essays are intelectually — and represent various levels of complexcity.

(A) modern

(B) superior

(C) persistent

(D) None of these

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31. A person with a long experience in any occupation is a ——.

(A) Veteran

(B) Genious

(C) Seasoned

(D) None of these

32. Words written on a tomb is ——.

(A) Epitaph

(B) Epithet

(C) Soliloquay

(D) None of these

33. Something no-longer in use is

(A) Obsolete

(B) Desolate

(C) Primitive

(D) None of these

34. One not concern with right or wrong is

(A) Amoral

(B) Immoral

(C) Moral

(D) None of these

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35. Choose the correct spelling.

(A) Alienate

(B) Alienatte

(C) Allienate

(D) None of these

36. Choose the correct spelling

(A) Forfeit

(B) Forfiet

(C) forefeit

(D) None of these

37. The notification with regard to revision of pay structure of employees of the State Government was published recently by Govt. of Tripura on

(A) 2nd June, 2017

(B) 15th June, 2017

(C) 21st June, 2017

(D) None of these

38. Which IPS officer has own the U.S. Govt's 2017, traffic king in Person's Hero Award ?

(A) Madan Mohan

(B) Mahesh Bhagwat

(C) Kiran Bedi

(D) None of them

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39. Name the cricket player who has been named in Forbes list of highest paid atheletes.

(A) Mohendra Singh Dhoni

(B) Virat Kohli

(C) Ricky Ponting

(D) None of them

40. What is the G.S.T rate for Health services ?

(A) 2%

(B) 5%

(C) 0%

(D) None of these

PART – B

41. The first edition of Indian Pharmacopoeia (I.P) was published in

(A) 1951

(B) 1949

(C) 1955

(D) None of these

42. In Camphor Water preparation Ethyl alcohol is used as

(A) mordant

(B) co-solvent

(C) Surfactant

(D) None of these

43. Aspirin mixture is a

(A) Simple soluble mixture

(B) Diffusible mixture

(C) In-diffusible mixture

(D) None of these

44. Bentonite in Calamine Lotion is used as

(A) Perfume

(B) Suspending agent

(C) Preservative

(D) None of these

45. Kaolin is a

(A) Soluble substance

(B) Diffusible substance

(C) In-diffusible substance

(D) None of these

46. Eye ointment base contains

(A) White soft paraffin

(B) Yellow soft paraffin

(C) Carbowax

(D) None of these

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47. Theobroma Oil is a

(A) Cold cream base

(B) Suppository base

(C) Toothpaste base

(D) None of these

48. Magnesium stearate in Tablet preparation is used as

(A) diluent

(B) binder

(C) Lubricant

(D) None of these

49. R. W. coefficient determination is essential for

(A) analgesic

(B) antacid

(C) disinfectant

(D) None of these

50. Microcrystaline Cellulose in tablet preparation is used as

(A) Glident

(B) Adsorbant

(C) Disintegrant

(D) None of these

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51. Example of a natural emulsion is

(A) Tea

(B) Coffee

(C) Milk

(D) None of these

52. Large volume transfusion fluid contains —— as solvent.

(A) Arachis oil

(B) PEG

(C) Water for injection

(D) None of these

53. Enteric coating material for tablet is

(A) Accacia

(B) Rhubarb

(C) Cellulose acetate Phthalate

(D) None of these

54. HLB, an essential parameter for emulsifying agent was discovered by

(A) Dr. Smith

(B) Griffin

(C) Handerson

(D) None of them

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55. Flow properties of powders are generally quantified by

(A) Particle shape

(B) Solubility

(C) Angle of repose

(D) None of these

56. The equation used for accelarated stability test is

(A) Noye's whitny equation

(B) Berger equation

(C) Arrhenious equation

(D) None of these

57. Prescription Drugs belong to

(A) Sch. – M

(B) Sch. – G

(C) Sch. – H

(D) None of these

58. The report of Drug Enquiry Committee (DEC) was published in

(A) 1929

(B) 1930

(C) 1931

(D) None of these

59. The Pharmacy Education was initiate in India by

(A) Prof. Sen

(B) Prof. Basu

(C) Prof. M. L. Schroeef

(D) None of these

60. Transfusion fluid and Ophthalmic solution belong to

(A) Sch. – C

(B) Sch. – C1

(C) Sch. – W

(D) None of these

61. Which one of the following is a Narcotic drug ?

(A) Frusimide

(B) Analgin

(C) Cocaine

(D) None of these

62. Water for Injection is

(A) Sterile, Pyrogen free and free from particulate matter

(B) Only sterile

(C) Only Pyrogen Free

(D) None of these

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63. Carbohydrate is identified by

(A) Molish test

(B) Wagner test

(C) Ring test

(D) None of these

64. Protein is identified by

(A) Benedict test

(B) Biuret test

(C) Borax bid test

(D) None of these

65. For identification of Reducing Sugar, the test used is

(A) Benedict test

(B) Mayer's test

(C) Wagner test

(D) None of these

66. Amino acid is identified by

(A) Ninhydrin test

(B) Perkin test

(C) Flame test

(D) None of these

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67. Mayer's Reagent is used for identification of

(A) Glycoside

(B) Alkaloid

(C) Tannin

(D) None of these

68. Keller-Kiliani test used for identification of

(A) Cardiac glycoside

(B) Protein

(C) Fat

(D) None of these

69. Rhamnose is a

(A) Protein

(B) De-oxysugar

(C) Oil

(D) None of these

70. Out of the following, which is a primary standard ?

(A) Sulphuric acid

(B) Sodium Carbonate

(C) Sodium bromide

(D) None of these

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71. Opium contains

(A) Protein

(B) Fats

(C) alkaloids

(D) None of these

72. In Morh's method indicator used is

(A) Potassium Chromate

(B) Methyl Orange

(C) Murexide

(D) None of these

73. Vohlard's method is used for

(A) Neural halide

(B) Acidic halide

(C) Both (A) and (B)

(D) None of these

74. Magnesium Sulphate is assayed by

(A) Volumetric method

(B) Gravimetric method

(C) Colorimetry

(D) None of these

75. A self indicator is

(A) Potassium dichromate

(B) Methyl red

(C) Potassium Permanganate

(D) None of these

76. Sulpha drug is assayed by

(A) Colorimetry

(B) Acid base titration

(C) Diazotization titration

(D) None of these

77. If a gm. equivalent substance is dissolved in 1000 ml. water, it is a

(A) Normal solution

(B) Molar solution

(C) Molal solution

(D) None of these

78. Equivalent weight of a oxydizing agent depends on

(A) atomic weight

(B) oxidation no.

(C) atomic no.

(D) None of these

79. One titrant for complexometric titration is

(A) EDTA

(B) Sulphuric acid

(C) Sodium hydroxide

(D) None of these

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80. Blue vitrol is

(A) $FeSo_4$, $7H_2O$

(B) $CuSo_4$, $5H_2O$

(C) $MgSo_4$, $7H_2O$

(D) None of these

81. Beer Lambert's Law valid for

(A) Dilute Solution

(B) Semi-solid liquid

(C) Concentrated solution

(D) None of these

82. Plastic flow is a

(A) Laminar flow

(B) Non-Newtonian flow

(C) Newtonian flow

(D) None of these

83. Unit of Viscocity is

(A) Dyne

(B) Poise

(C) Newton

(D) None of these

84. Rf. value related with

(A) Colorimetry

(B) Polarimetry

(C) T.L.C.

(D) None of these

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85. Therapeutic index is denoted by

(A) $\frac{LD_{50}}{ED_{50}}$

(B) $\frac{ED_{50}}{LD_{50}}$

(C) $\frac{LD_{100}}{ED_{50}}$

(D) None of these

86. LAL test is performed for parenterals to confirm

(A) the sterility

(B) presence of pyrogen

(C) presence of particulate matter

(D) None of these

87. Penicillin G is active against

(A) Gram positive bacteria

(B) Gram negative bacteria

(C) Virus

(D) None of these

88. Griseofulvin is a

(A) Sulpha drug

(B) anti diabetic

(C) anti fungal antibiotic

(D) None of these

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89. Riboflavin is assayed by

(A) Acid base titration

(B) T.L.C

(C) Flurimetry

(D) None of these

90. Kbr disc is used for

(A) U.V. Spectroscopy

(B) Colorimetry

(C) I.R. Spectroscopy

(D) None of these

91. Dexa-methazone sodium phosphate is soluble in

(A) Water

(B) Pyridine

(C) Chloroform

(D) None of these

92. Activated Dimethicone is a

(A) Solid

(B) Gas

(C) Viscous liquid

(D) None of these

93. Streptozotacin is a

(A) Hypotensive

(B) Hyperglycaemic

(C) Hypoglycaemic

(D) None of these

94. Atropine is used as

(A) adrenergic agent

(B) mydriatic agent

(C) cholinergic agent

(D) None of these

95. Met formin is a

(A) Hypotensive

(B) Hyperglycaemic

(C) Hypoglycaemic

(D) None of these

96. Gelfiltration is used for separation of

(A) Adrenaline

(B) Proteins & polypeptides

(C) Fats

(D) None of these

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97. Nicotine is an alkaloid obtained in

(A) Solid form

(B) Liquid form

(C) Semi-solid form

(D) None of these

98. I. R. Spectroscopy is used for

(A) Nitrogen estimation

(B) Functional group determination

(C) Iodine estimation

(D) None of these

99. 2, 6 dichloro indophenol is used for identification of

(A) Niacin

(B) Tetracycline

(C) Ascorbic acid

(D) None of these

100. Isophane Insulin Injection should have the particle size

(A) 100 μm to 210 μm

(B) 1 μm to 4 μm

(C) 5 μm to 60 μm

(D) None of these

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